BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2021-22/OW/WORK_INDENT48801

APPROVED SCHEDULE - B

No.EE/BTP/BBMP/E-PMT/07/2021-22, Dated:03.09.2021

NAME OF WORK:AUGMENTATION OF WATER SUPPLY THROUGH BOREWELL, NETWORK OF PIPLINES AND GROUND WATER RECHARGE FACILITIES IN WARD NO. 05 & 06 (PACKAGE NO-3) (PACKAGE CONSISTS OF 6 WORKS).

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of M/s. RAJALAKSHMI ROCK DRILLERS, PROP SRI.NAGASANDRA SHAMANNA RAMARAO	
				In Figures	In Words
1	36	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etccomplete as per specifications and directions of Engineer in charge of work.	Each BW	4074.70	Rupees Four Thousand Seventy Four and Seventy Paise Only
2	1800	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work.0 to 50	Rmtr	375.24	Rupees Three Hundred Seventy Five and Twenty Four Paise Only
3	1800	50 to 100	Rmtr	477.98	Rupees Four Hundred Seventy Seven and Ninety Seven Paise Only
4	1800	100 to 150	Rmtr	493.12	Rupees Four Hundred Ninety Three and Eleven Paise Only
5	1800	150 to 200	Rmtr	579.63	Rupees Five Hundred Seventy Nine and Sixty Two Paise Only
6	1800	200 to 250	Rmtr	685.61	Rupees Six Hundred Eighty Five and Sixty Paise Only
7	1800	250 to 300	Rmtr	756.98	Rupees Seven Hundred Fifty Six and Ninety Seven Paise Only
8	1800	300 to 350	Rmtr	892.15	Rupees Eight Hundred Ninety Two and Fifteen Paise Only
9	1800	350 to 400	Rmtr	973.26	Rupees Nine Hundred Seventy Three and Twenty Five Paise Only
10	2160	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work.	Rmtr	1432.85	Rupees One Thousand Four Hundred Thirty Two and Eighty Five Paise Only
11	360	Providing and fixing 250mm dia PVC Pipe and as per specification complete as per specifications and directions of Engineer in charge of work.	m	2313.34	Rupees Two Thousand Three Hundred Thirteen and Thirty Three Paise Only
12	36	175mm dia M.S. Casing capcomplete as per specifications and directions of Engineer in charge of work.	Each	108.14	Rupees One Hundred Eight and Thirteen Paise Only

Signature of the Contractor

Executive Engineer

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NAME OF WORK:AUGMENTATION OF WATER SUPPLY THROUGH BOREWELL, NETWORK OF PIPLINES AND GROUND WATER RECHARGE FACILITIES IN WARD NO. 05 & 06 (PACKAGE NO-3) (PACKAGE CONSISTS OF 6 WORKS).

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of M/s. RAJALAKSHMI ROCK DRILLERS, PROP SRI.NAGASANDRA SHAMANNA RAMARAO	
				In Figures	In Words
13	792000	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work.	Sq.cm	0.37	and Thirty Six Paise Only
14	36	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI union confirming to IS 1239-II, 1991 with latest amendments if any. complete as per specifications and directions of Engineer in charge of work.	No	189.24	Rupees One Hundred Eighty Nine and Twenty Four Paise Only
15	108	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any.complete as per specifications and directions of Engineer in charge of work.	No	151.40	Rupees One Hundred Fifty One and Thirty Nine Paise Only
16	108	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if anycomplete as per specifications and directions of Engineer in charge of work.	No	189.24	Rupees One Hundred Eighty Nine and Twenty Four Paise Only
17	36	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) complete as per specifications and directions of Engineer in charge of work.	Job	6109.89	Rupees Six Thousand One Hundred Nine and Eighty Nine Paise Only
18	36	Labour charges for Erection of outdoor type panel board and meter board units with all necessary materials and labour tools and equipments including providing cement concrete foundation bed etc., complete. as per specifications, with testing complete as per specifications and directions of Engineer in charge of work.	Job	1295.51	Rupees One Thousand Two Hundred Ninety Five and Fifty One Paise Only
19	1620	Supplying and laying of LT UG cable having aluminum conductor PVC insulated sheathed, galvanized, steel wire/steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable complete as per specifications and directions of Engineer in charge of work.	Rmtr	157.49	Rupees One Hundred Fifty Seven and Forty Eight Paise Only
20	1620	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm. complete as per specifications and directions of Engineer in charge of work.	Rmtr	12.47	Rupees Twelve and Forty Seven Paise Only
21	1620	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfacescomplete as per specifications and directions of Engineer in charge of work.	Mtr	86.09	Rupees Eighty Six and Nine Paise Only
22	144	Supplying and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm complete as per specifications and directions of Engineer in charge of work.	Mtr	351.72	Rupees Three Hundred Fifty One and Seventy One Paise Only
23	36	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia, complete as per specifications and directions of Engineer in charge of work.	Nos	3928.72	Rupees Three Thousand Nine Hundred Twenty Eight and Seventy One Paise Only
24	36	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class 16sqmmUG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.complete as per specifications and directions of Engineer in charge of work.	Nos	537.45	Rupees Five Hundred Thirty Seven and Forty Five Paise Only
25	36	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,Size 20 x 20 x 2.5 inches with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work.	Nos	306.57	Rupees Three Hundred Six and Fifty Seven Paise Only

Rame Rao

Signature of the Contractor

Executive Engineer

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Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of M/s. RAJALAKSHMI ROCK DRILLERS, PROP SRI.NAGASANDRA SHAMANNA RAMARAO	
				In Figures	In Words
26	24	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 20 HP 40 Stagecomplete as per specifications and directions of Engineer in charge of work.	Nos	95115.69	Rupees Ninety Five Thousand One Hundred Fifteen and Sixty Nine Paise Only
27	12	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 17.5 HP 30 Stagecomplete as per specifications and directions of Engineer in charge of work.	Nos	75725.09	Rupees Seventy Five Thousand Seven Hundred Twenty Five and Eight Paise Only
28	2124	Providing, laying & joining GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe B Class complete as per specifications and directions of Engineer in charge of work.	Rmtr	3004.12	Rupees Three Thousand Four and Twelve Paise Only
29	26568	Supplying of submersible pump cable 1X3X6 Sqmm complete as per specifications and directions of Engineer in charge of work.	Mtr	215.23	Rupees Two Hundred Fifteen and Twenty Two Paise Only
30	36	Supplying & delivery at site brand new / Essen / lotus sunsines/Adarsh/Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph,50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz,380/440 AC supply shall be consisted etc., completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 20HP with star delta starter (MR) complete as per specifications and directions of Engineer in charge of work.	Nos	22047.90	Rupees Twenty Two Thousand Forty Seven and Ninety Paise Only
31	36	Supplying & delivery of brand 50mm Gate Valve. complete as per specifications and directions of Engineer in charge of work.	Each	1286.86	Rupees One Thousand Two Hundred Eighty Six and Eighty Six Paise Only
32	36	Supplying & delivery of brand 50mm Non Return Valve. complete as per specifications and directions of Engineer in charge of work.	Each	1270.64	Rupees One Thousand Two Hundred Seventy and Sixty Four Paise Only
33	36	Supplying and fixing MCB complete as per specifications and directions of Engineer in charge of work.	Each	1108.43	Rupees One Thousand One Hundred Eight and Forty Three Paise Only
34	7835.4	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications and directions of Engineer in charge of work.	Cum	332.76	Rupees Three Hundred Thirty Two and Seventy Five Paise Only
35	17412	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including joining of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete as per specifications and directions of Engineer in charge of work.	Mtr	133.01	Rupees One Hundred Thirty Three and One Paise Only

Rama Rao

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36	7835.4	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications and directions of Engineer in charge of work.	Cum	134.66	Rupees One Hundred Thirty Four and Sixty Six Paise Only
37	324	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification. complete as per specifications and directions of Engineer in charge of work. Cutting Asphalt Road Surface	Cum	603.19	Rupees Six Hundred Three and Eighteen Paise Only
38	274.69	Earthwork excavation in soil, clay, sand, shedu soil, soft murrum, including shoring, strutting, barricading, danger lighting, bailing out water wherever necessary with stacking the materials as directed upto a lead of 50 Mtr and lift of 1.5 Mtr etc., complete as per specifications and directions of Engineer in charge of work.	Cum	374.16	Rupees Three Hundred Seventy Four and Sixteen Paise Only
39	137.34	Add for additional lift charges for every lift of 1.50 M or part thereof beyond 1.50 Mtr to 10.50 Mtr complete as per specifications and directions of Engineer in charge of work.	Cum	61.64	Rupees Sixty One and Sixty Three Paise Only
40	3.05	Providing and laying in position plain cement concrete of grade M 10 with cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, including cost of all materials, labour, HOM of machinery, curing,lowering to any depth, dewatering etc., ccomplete as per specifications and directions of Engineer in charge of work.specifications with all lead and lifts for Foundation of steining.	Cum	6524.07	Rupees Six Thousand Five Hundred Twenty Four and Six Paise Only
41	24.42	100 mm and down nominal size complete as per specifications and directions of Engineer in charge of work.	Cum	1068.01	Rupees One Thousand Sixty Eight and One Paise Only
42	67.15	40 mm nominal size stone aggregatescomplete as per specifications and directions of Engineer in charge of work.	Cum	1180.27	Rupees One Thousand One Hundred Eighty and Twenty Six Paise Only
43	24.42	20 mm nominal size stone aggregates complete as per specifications and directions of Engineer in charge of work.	Cum	1180.27	Rupees One Thousand One Hundred Eighty and Twenty Six Paise Only
44	24.42	6 mm nominal size stone aggregates complete as per specifications and directions of Engineer in charge of work.	Cum	1180.27	Rupees One Thousand One Hundred Eighty and Twenty Six Paise Only
45	20.35	Providing and filling sand complete as per specifications and directions of Engineer in charge of work.	Cum	1817.78	Rupees One Thousand Eight Hundred Seventeen and Seventy Seven Paise Only
46	360	Supplying & errection of RCC rings for well steining of 0.3 Mtr Depth using M-20 grade concrete using clean graded granite or trap or jelly of approved quality 20mm and down size well compacted including centering, formwork and plastering for both faces with C.M 1:3 proportion as per design using 6.50mm M.S. coil at the rate of 10 Kgs/ring including cost of steel and fabrication, bailing out of water, errection etc., complete. For 1.20m dia (clear) rings of steining thickness 0.075mm upto 18 M depthcomplete as per specifications and directions of Engineer in charge of work.	Each	1199.27	Rupees One Thousand One Hundred Ninety Nine and Twenty Six Paise Only
47	142.38	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications and directions of Engineer in charge of work.	Kgs	105.72	Rupees One Hundred Five and Seventy Two Paise Only

Rama Rao

Signature of the Contractor

Executive Engineer
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BBMP, Bangalore - 92

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